(5) 341.35 × 0.96
341.35 × 0.46

(7) 3231 CM 1:3
SQM

(9) 3252 CM 1:6
SQM

(10) 31.50 SSM 1:6

(12) 252.23

(13) 288.86 sand

(20) 1383 × Rs. 30

5996140 596140

SBR No: 137/16-17 dt 21/12/2016

Original/Duplicate/Triplicate

No. 1st & FINAL BILL

CONTRACT CERTIFICATE

(For Other Works)

Date : .....

Division DD

Sub-Division

Bill Received No. 552 Dated 29.12.2016

Cash Book Voucher No. ..... Dated :.....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) **IMPROVEMENTS AND ASPHALTING OF WARD ROADS & CONNECTING ROADS IN WARD NO. 14 & 15 OF T.DASARAHALLI SUB DIVISION DASARAHALLI ZONE. PACKAGE NO. DZ 2015-16-(02)**

Name of Contractor and Full Address **SRI. MURALISWAMY**

Reference to Agreement No. **EE/DD/PACKAGE/WO/ 78 / 2016-17** Date: **3.10.2016**

Certified that the measurements were taken by me on 21/12/2016 and recorded in pages 564001 to 564057 of measurements Book No. 5345 and that the work is satisfactorily executed. 564602 to 564064.

5641

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

21/12/16

Sub - Division Officer

If Memorandum of Payment **JOB NO : 014-16-000020 to 28, 015-16-000017 to 26**

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	Bill Amount- 53244031=00
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	IT- 532440=00
5.	Balance being unpaid value of work done held in reserve	VAT- 2129761=00
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	LWC- Total 532440=00
7.	Net amount due to or from contractor	CBF- 53244=00
	Unadjusted items	Roy- 564440=00
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	(-) 3812325=00
	Total amount adjusted --	Net- 49431706=00

Contractor Signature

Received Rs. ..... (in words)

.....

..... by cash and by adjustment of

Payment as per memorandum.

(In final settlement of all demand)

Witness :

1.

2.

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Stamp

Signature of Contractor

(For use in the Office)

Audited and admitted for Rs. 53244031=00

Passed by Cheque for Rs. 49431706=00

( )

by adjustment Rs. 3812325=00.

Accounts Super... 21/12/16

Executive Engineer

24/12/16

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T& P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specifications. Prestressed for Rainforced Cement Concrete Grade M-20 and Above i) Lime/Cement Concrete. I. By Manual Means; A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202 complete as per specfication & as per direction of Engineer-in-charge	Cum					81129.00			
	Ward No. 14				86.40	939.00	81130.00	86.40	81130.00	
	Ward No. 15									
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceabl material and stacking the serviceable material with all lifts complete as per specifications. :B. Cement Concrete Grade M-15 & M-20. complete as per specfication & as per direction of Engineer-in-charge	Cum							81129.00	
	Ward No. 14					415.00		36.96	15338.00	
	Ward No. 15				36.96		15338.00			
3	Removing B.S.Slabsand stacking etc complete. complete as per specfication & as per direction of Engineer-in-charge	Sqm						9445		
	Ward No. 14				5988.00	57.00	341316.00	9475.00	540075.00	
	Ward No. 15				3487.00		198759.00		538365.00	
4	Earthwork excavation by manual means in ordinary soil involving an averae horizontal throw upto 2 meters and an averae lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breakin of clods complete as per specifications. MORTH / Chapter 3- For Desilting of Drain complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				2794.89	161.00	449977.00	5850.95	942003.00	
	Ward No. 15				3056.06		492026.00			
5	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specfication & as per direction of Engineer-in-charge	Cum				204147.00		336.77	1588880.00	
	Ward No. 14				43.27	4718.00	204148.00	341.35	1610489.00	
	Ward No. 15				298.08		1406341.00			
6	Refixing stone slabs of drains and pointing in C.M (1:3).complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				4488.00	71.00	318648.00	7699.00	546629.00	
	Ward No. 15				3211.00		227981.00			
7	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per directions of the Engineer-in-charge {Data Rate sheet enclosed}.(Missing and damaged complete as per specfication & as per direction of Engineer-in-charge	Sqm				2623.50		3290.9	5298676.00	
	Ward No. 14				2623.90	1640.00	4303196.00	3231.30	5299332.00	
	Ward No. 15				607.40		996136.00			
8	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				7.50	4584.00	34380.00	7.50	34380.00	
	Ward No. 15									

9	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				2881.20	597.00	1720076.00	3252.00	1941444.00	
	Ward No. 15				370.80		221368.00			
10	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				31.50	3720.00	117180.00	31.50	117180.00	
	Ward No. 15									
11	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				2760.00	866.00	2390160.00	2760.00	2390160.00	
	Ward No. 15									
12	Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and ciils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				222.23	4946.00	1099150.00	252.23	1247530.00	
	Ward No. 15				30.00		148380.00			
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications,complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				792.00	276.00	218592.00	2590.02	714846.00	
	Ward No. 15				1798.02		496254.00			
14	Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 complete as per specfication & as per direction of Engineer-in-charge	Tonne								
	Ward No. 14				7.14	62890.00	449035.00	63.73	4007980.00	
	Ward No. 15				56.59		3558945.00			
15	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams. complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				118.80	5705.00	677754.00	288.86	1647946.00	
	Ward No. 15				170.06		970192.00			

16	Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103-1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS: 383) mixe in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver,spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane,sealant primer, joint sealant, debonding strip, dowel bar, tie rod, ,admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications MORTH Specification No. 602- with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum. complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14									
	Ward No. 15				1810.42	6250.00	11315125.00	1810.42	11315125.00	
17	Construction of partition wall 11.2 cms thick with non- modular ground moulded burnt bricks of class designation 3.5 Newton per sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14									
	Ward No. 15				50.00	742.00	37100.00	50.00	37100.00	
18	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removingscaffolding, including cost of materials labour,curing complete as per specifications.	Sqm								
	Ward No. 14									
	Ward No. 15				110.00	163.00	17930.00	110.00	17930.00	
19	Scarifying bituminous course 50mm to 75mm thick along with premix carpet /surface dressing by road roller attached with scarifier without disturbing the base and stavkung the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 complete as per specfication & as per direction of Engineer-in-charge	Sqm								
	Ward No. 14				16094.00	24.00	386256.00	17459.00	419016.00	
	Ward No. 15				1365.00		32760.00			
20	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of proctors density.MORTH complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				1383.75	280.00	387450.00	1383.75	387450.00	
	Ward No. 15									
21	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				51.00	130.00	6630.00	435.88	56664.00	
	Ward No. 15				384.88		50034.00			
22	Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method complete as per specfication & as per direction of Engineer-in-charge	cum								
	Ward No. 14				363.00	1460.00	529980.00	363.00	529980.00	
	Ward No. 15									

23	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. complete as per specfication & as per direction of Engineer-in-charge	Sqm									
	Ward No. 14				12069.50	4.00	48278.00	12069.50	48278.00		
	Ward No. 15										
24	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specfication & as per direction of Engineer-in-charge	Cum									
	Ward No. 14				3257.39	1554.00	5061984.00	3318.25	5156560.00		
	Ward No. 15				60.86		94576.00				
25	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means . complete as per specfication & as per direction of Engineer-in-charge	Sqm									
	Ward No. 14				18897.00	29.00	548013.00	18951.00	549579.00		
	Ward No. 15				54.00		1566.00				
26	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specfication & as per direction of Engineer-in-charge	Sqm									
	Ward No. 14				4103.00	2.00	8206.00	13028.20	26056.00		
	Ward No. 15				8925.20		17850.00				
27	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specfication & as per direction of Engineer-in-charge	Sqm									
	Ward No. 14				25672.00	13.00	333736.00	33474.70	435171.00		
	Ward No. 15				7802.70		101435.00				
28	Providing and laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specfication & as per direction of Engineer-in-charge	Cum									
	Ward No. 14					7200.00		22.75	163800.00		
	Ward No. 15				22.75		163800.00				
29	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work complete as per specfication & as per direction of Engineer-in-charge	Cum									
	Ward No. 14				156.15	5600.00	874440.00	156.15	874440.00		
	Ward No. 15										

30	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a pave finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specfication & as per direction of Engineer-in-charge	Cum								
	Ward No. 14				901.98	8900.00	8027622.00	1251.89	11141821.00	
	Ward No. 15				349.91		3114199.00			
31	Providing and fixing Precast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. Of size 450 x 150 x 400 mm. complete as per specfication & as per direction of Engineer-in-charge	No			1044=00		301716=00	1044=00	301716=00	
	Ward No. 14				1044.40	289.00	301832.00	1044.40	301832.00	
	Ward No. 15									
32	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, labour complete as per specfication & as per direction of Engineer-in-charge	Sqm					11632=00			
	Ward No. 14				211.50	55.00	11633.00	211.50	11633.00	
	Ward No. 15									
33	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specfication & as per direction of Engineer-in-charge	Sqm							⊕ 1632=00	
	Ward No. 14				1512.00	426.00	644112.00	1651.00	703326.00	
	Ward No. 15				139.00		59214.00			
	Total						**53312223.00**		**53312223.00**	
							Total —		53244031=00	

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

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ಪೂರ್ಣ ಪ್ರಮಾಣದಲ್ಲಿ

ಸರಿ ಇದೆ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಾಮರಾಜಪೇಟೆ ಉಪ-ವಿಭಾಗ
ಚಾಮರಾಜಪೇಟೆ, ಬೆಂಗಳೂರು
ಬೆಂಗಳೂರು